MEETINGS ARE OPEN TO ALL GROWERS

THE MARYLAND Fruit Grower

Official Program Number

FORTIETH ANNUAL MEETING

. . . of . . .

The Maryland State Horticultural Society

JANUARY 11 and 12, 1938

LORD BALTIMORE HOTEL

Baltimore, Maryland

Vol. 7 December, 1937 No. 12

YOU CAN AFFORD TO USE SCALECIDE

Profits in fruit growing are not for those who have a big crop only in bumper crop years, but for those who have a good crop annually. Can *you* count on a good crop next year?

Don't think only of scale when you think of Scalecide. You can control scale with cheaper oils, but there are features of Scalecide which cannot be duplicated with any other spray.

The hormone theory.

It has long been recognized that trees sprayed annually with Scalecide have a tendency to larger foliage, increased terminal growth, plumper fruit spurs, more consistent annual bearing, and greater resistance to winter injury and summer drouth. At last, science has found a reason for this.

It has been found that the special expensive oils, used exclusively in Scalecide, contain large amounts of growth producing hormones. In fact, they are one of the important sources from which these hormones are obtained. Hormones are substances so powerful that they can induce root growth on an apple cutting. No other spray has ever used these expensive oils.

Another advantage which must not be overlooked. Scalecide sprayed trees have less codling moth. The Maryland Experiment Station found that Scalecide at regular strength, reduces the overwintering codling moth larvae in their winter cocoons by as much as 50%. The best oil emulsion less than 3%. Isn't this reduction of codling moth population well worth while?

Give your trees the benefit that Scalecide alone can give. Set aside one of your worse blocks and spray it with Scalecide at least three years. We predict it will soon be your best.

YOU CAN DO IT BETTER WITH SCALECIDE

Dept. "F"

for EVERY NEED
PRATT'S
OIL SPRAYS
for EVERY PURSE

B. G. Pratt Company

Manufacturers of Scalecide, oil emulsions, tar oils, etc.

50 Church Street, New York, N. Y.

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***ORCHARD BRAND** insecticides and fungicides are recognized throughout the agricultural field for their unvarying high quality. Each product is the result of painstaking horticultural and chemical research . . . each is made under the most rigid of manufacturing standards. **ORCHARD BRAND** products are readily available throughout the United States.

ORCHARD BRAND PRODUCTS

Apple Dritomic* Sulphur
Arsenate of Lead, Standard and Basic
"Astringent" Arsenate of Lead
Arsenate of Lead, Paste
Arsenite of Zinc
Bordeaux Dust
Bordeaux Mixture, Powder and Paste
Arsenate of Calcium
Copper-Lime Dusts
Copper Sulphate
Dritomic* Sulphur
Dry Lime Sulphur
Dust Mixtures To Specifications
Hydrated Lime
Lime Sulphur Solution
Muriatic Acid
Nicotine Sulphate 40%
Oil Emulsion "83"*
Oil Emulsion (Gov't. Formula)
Para-dichlorobenzene
Paris Green
"Potato Spray"
Silicate of Soda
Sulphur Dusts
Soil Sulphur
Atomic Sulphur
Tar Oils
Tar Oil Winter Wash
Veget-Aid* Dust and Spray (Rotenone Base)
X-13 (Pyrethrum Base)
ZINTOX*—A Basic Zinc Arsenate

ALSO

Lariat* Brand Cattle Dip (34° Baume Lime Sulphur)
Lariat* Brand Arsenical Cattle Dip
Garden-Pak* Kit
Oriole Brand Weed Killer

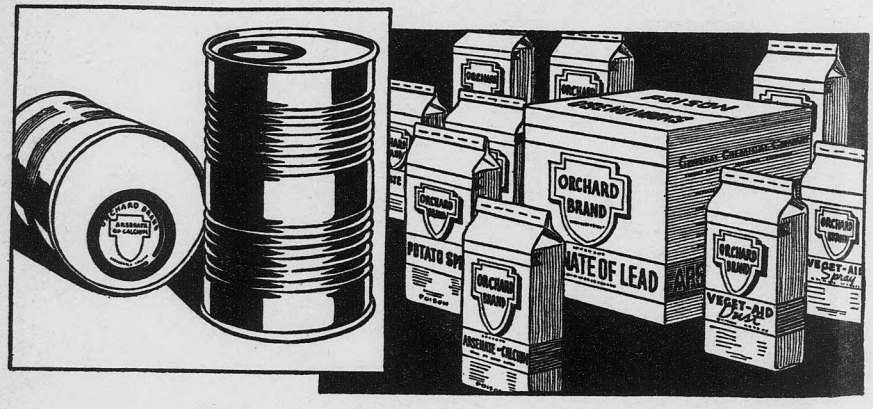
*REG. U. S. PAT. OFF.

The **ORCHARD BRAND** line of insecticides and fungicides is now being packaged in these newly designed containers for your greater convenience.

The product name has been increased in size so as to be easily legible, and distinctive color combinations are used for each product to further aid in identification where several different products are handled.

Bags are constructed of No. 1 Kraft Paper and are carefully sealed to form a sift-proof package.

The new Orchard Brand non-returnable steel drums are constructed with off-center openings to facilitate emptying.



Write now for the 1938 edition of "Cash Crops"

GENERAL CHEMICAL COMPANY

Executive Offices: 40 Rector Street, New York, N. Y.

Sales Offices: Atlanta • Baltimore • Boston • Buffalo • Charlotte • Chicago • Cleveland Denver • Kansas City • Los Angeles • Minneapolis • Montezuma (Ga.) • Philadelphia Pittsburgh • Providence • San Francisco • St. Louis • Wenatchee • Yakima
In Canada: The Nichols Chemical Company, Ltd. • Montreal • Toronto

Increased YIELDS
Improved QUALITY
A LARGER INCOME

RESULTS are what you spend your money for—not fertilizer itself. There isn't anything particularly attractive about fertilizer, as such. You can't eat it, wear it, live in it, ride on it, or educate the children with it.

But you can do all of these things and more—with the *results* which the right fertilizer produces.

Granular 'Aero' Cyanamid is the right nitrogen fertilizer.

In *wet* seasons it doesn't wash out of the soil but stays right there and keeps pushing the crop.

In *dry* seasons, *if plowed down with cover crops or crop wastes before planting*, it induces deep rooting and a high degree of drought resistance—so keeps right on pushing the crop.

In *all* seasons it speeds up the transformation of coarse organic materials into humus, and at the same time supplies lime enough to neutralize the organic and nitric acids which form during the rotting process.

Write for Leaflet F-155.

CYANAMID PRODUCTS

AMERICAN CYANAMID COMPANY

30 ROCKEFELLER PLAZA NEW YORK, N. Y.

*ORCHARD BRAND insecticides and fungicides are recognized throughout the agricultural field for their unvarying high quality. Each product is the result of painstaking horticultural and chemical research . . . each is made under the most rigid of manufacturing standards. ORCHARD BRAND products are readily available throughout the United States.

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Bordeaux Mixture, Powder and Paste
Arsenate of Calcium
Copper-Lime Dusts
Copper Sulphate
Dritomic* Sulphur
Dry Lime Sulphur
Dust Mixtures To Specifications
Hydrated Lime
Lime Sulphur Solution
Muriatic Acid
Nicotine Sulphate 40%
Oil Emulsion "83"*
Oil Emulsion (Gov't. Formula)
Para-dichlorobenzene
Paris Green
"Potato Spray"
Silicate of Soda
Sulphur Dusts
Soil Sulphur
Atomic Sulphur
Tar Oils
Tar Oil Winter Wash
Veget-Aid* Dust and Spray (Rotenone Base)
X-13 (Pyrethrum Base)
ZINTOX*—A Basic Zinc Arsenate

ALSO

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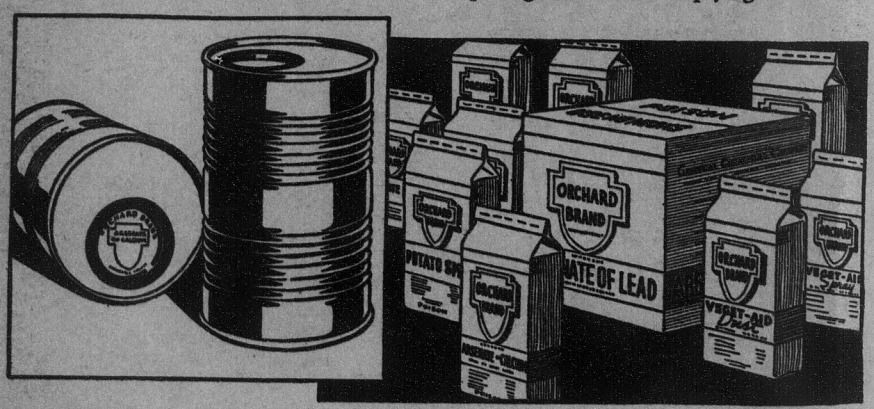

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Increased YIELDS
Improved QUALITY
A LARGER INCOME

RESULTS are what you spend your money for—not fertilizer itself. There isn't anything particularly attractive about fertilizer, as such. You can't eat it, wear it, live in it, ride on it, or educate the children with it.

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In *wet* seasons it doesn't wash out of the soil but stays right there and keeps pushing the crop.

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30 ROCKEFELLER PLAZA NEW YORK, N. Y.

Program

FORTIETH ANNUAL MEETING

The Maryland State Horticultural Society
Lord Baltimore Hotel, Baltimore, Maryland

TUESDAY *and* WEDNESDAY, JANUARY 11-12, 1938

Meetings beginning Tuesday, January 11, at 10:00 A. M.

TUESDAY MORNING, JANUARY 11th

10:00 A. M.

Call to Order—President, C. E. Bryan, Havre de Grace, Maryland.
Report of the Secretary-Treasurer—A. F. Vierheller, College Park, Maryland.
President's Annual Address—C. E. Bryan, Havre de Grace, Md.

10:30 A. M.

New Results with Spray Materials and Methods for Control of the More Serious Apple and Peach Diseases—J. W. Roberts, Senior Pathologist, U. S. Horticultural Field Station, Beltsville, Maryland.

11:30 A. M.

Recent Maturity Studies on Grimes and Jonathan Apples in Maryland—I. C. Haut, Associate Pomologist, University of Maryland, College Park, Maryland.
Appointment of Committees

TUESDAY AFTERNOON PROGRAM ON PAGE 6

NOTES

Apple and Farm Products Exhibit on the Mezzanine Floor
There will be no exhibit of orchard supplies or machinery
Every effort is made to keep speakers' time and topic according to program
There will be no Night Sessions or Dinner held

McCormick-Deering

ORCHARD TRACTORS

AND

TRAC TRACTORS

WITH

ORCHARD TOOLS

for Better Orchards

●

SOLD AND SERVICED EVERYWHERE

BY

McCormick-Deering Dealers

●

International Harvester Company

BALTIMORE, MARYLAND

Genuine *Repairs*

A GREAT COMBINATION

I

NIAGARA KOLOFOG, *The Fused Bentonite—*

Sulphur Summer Spray

This is the colloidal sulphur summer spray that has increased in popularity every year. **It will protect longer.** In this material we are offering a combination of the very highest toxicity without burning.

II

NIAGARA SUSPENSO ARSENATE OF LEAD

It is the leader in its field because it stays in suspension in most every kind of water. It spreads evenly over the fruit and foliage and does not blotch. It sticks longer and protects longer, but is easily removed by any of the standard practices. It analyzes exceptionally high in arsenic oxide, the killing ingredient, and exceptionally low in free water-soluble arsenic. Consequently, IT IS SAFE.

Also manufacturers of a full line of dusting equipment, spraying equipment and sizing machines.

NIAGARA SPRAYER & CHEMICAL CO.

Incorporated

MIDDLEPORT, N. Y.

JACKSONVILLE, FLA. SAN FRANCISCO, CALIF.

To The
Apple Growers of Maryland

And The Members Of

The Maryland State Horticultural Society

We wish to express our appreciation of your continued use of *Sunset* Shredded Oiled Paper and *Sunset* Oiled Apple Wraps and trust we may have the privilege of being of further service.

FRED C. STRYPE

103 Lafayette Street New York City

PROGRAM—*Continued*

TUESDAY AFTERNOON, JANUARY 11th

1:30 P. M.

New Developments in Dormant Sprays to Control Scale Insects and Aphids—W. S. Hough, Entomologist, Winchester Field Laboratory, Winchester, Virginia.

2:30 P. M.

What Appalachian Apples, Inc., Has Accomplished This Season—Carroll R. Miller, Secretary-Manager, Appalachian Apples, Inc., Martinsburg, West Virginia.

3:30 P. M.

A National Survey of Cultural and Fertilizer Practices for Apples and Peaches and their Application to Maryland Conditions—A. Lee Schrader, Head, Department of Horticulture, University of Maryland, College Park, Maryland.

WEDNESDAY MORNING PROGRAM ON PAGE 12

The Maryland Farm Bureau Federation, Maryland Agricultural Society, and Affiliated Farm Organizations meet at Lord Baltimore Hotel, January 12 and 13, 1938

NOTES

Can We Be Of Assistance?

East Central Fruit Growers Production Credit Association

Hagerstown, Maryland

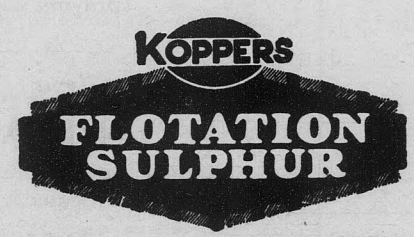
Organized for benefit of Fruit Growers in their financial production operations

Organized under the Farm Credit Act of 1933 as a permanent institution for benefit of fruit growers in their financial production operation. Serves the states of Delaware, Maryland, Pennsylvania, Virginia and West Virginia.

Koppers Flotation Sulphur

DEPENDABLE

ECONOMICAL



KOPPERS COMPANY

Tar and Chemical Division

Pittsburgh, Pennsylvania

FOUNDED 1794
Warner
SAND-GRAVEL-LIME PRODUCTS

WARNER HYDRATED LIMES

Dusting for *and* *Spraying*

•

"LIMOID" SUPERFINE HYDRATE

a pure dolomitic lime for spraying use.*

•

"BELL-MINE" HYDRATED LIME

a pure high-calcium product for Bordeaux Mixtures.

•

"BELL-MINE" PULVERIZED LIME

for use in formulas where "Quick-lime" is specified.

•

★

Several State College authorities now recommend dolomitic (high magnesium) lime sprays—Warner's "Limoid Superfine Hydrate" has been developed to supply this demand . . .

Warner Company

WILMINGTON, DELAWARE
200 S. MARKET STREET

PHILADELPHIA, PA.
219 N. BROAD STREET

·MECHLING'S·

Half Century of Experience

Presents

DORMASOL

The Self-Emulsifying Dormant Oil

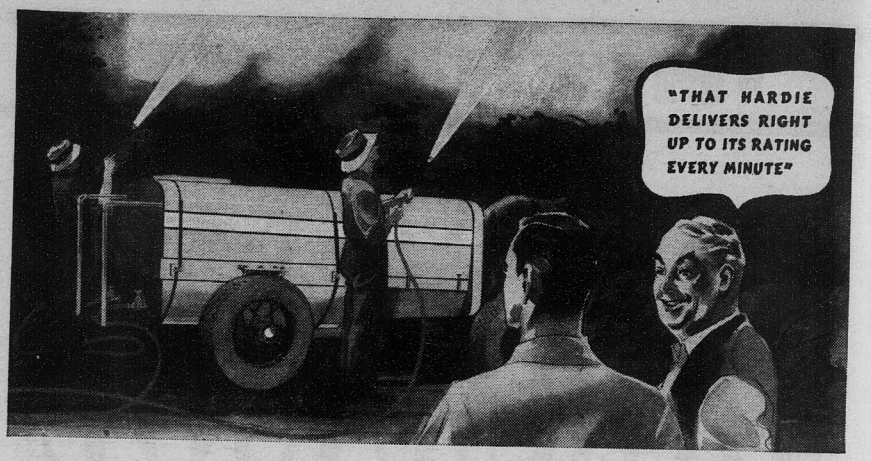
with an eleven-point appeal

1. Easily emulsifiable in most all types of water.
2. Full oil strength—it is not an oil emulsion.
3. Maximum efficiency against Scale and Red Mite.
4. Combines with Cresylic for excellent aphis control.
5. Minimum run off—heavy uniform oil film deposited.
6. Stable in the spray tank—no waste batches.
7. Safe to the tree—made from selected oil stock.
8. Compatible with most all types of fungicides.
9. Will not freeze in storage—no broken emulsions.
10. Flows readily from the drum at low temperatures.
11. Economically priced in uniform weight drums.

INSECTICIDES

FUNGICIDES

MECHLING BROS· CHEMICALS
DIVISION OF GENERAL CHEMICAL COMPANY
CAMDEN· N·J·



• The rating of any Hardie sprayer is just as accurate and dependable as the rating of an electric motor or gasoline engine.

The rating of a Hardie tells what it will do hour after hour, day after day, in orchard or grove, not merely what the outfit can be forced to do in tests or demonstrations. You know what you can do with a Hardie before you buy it.

It requires a lot more sprayer to work to a given rating in long sustained operation than it does to reach a given rating for short periods only. For example, compare the size of a Hardie plunger cylinder with the plunger cylinder of any other sprayer of the same rating.

Interchangeable steel and wood tanks, interchangeable steel or rubber tired wheels, roller bearing trucks, spray platforms, complete dustproofing, automatic lubrication, streamlined chassis and body make Hardie sprayers the most modern, efficient and economical ever built.

• There are over 40 sizes and styles of Hardie sprayers, delivering from 4 gallons per minute at 300 pounds pressure to 50 gallons per minute at 800 pounds pressure. Write for the Hardie 1938 catalog—64 pages of interesting sprayer information.

THE HARDIE MANUFACTURING CO.
HUDSON, MICHIGAN

Sales and Service: H. V. Hart Co.
Hagerstown, Md.

BRANCH FACTORIES, SALES AND SERVICE OFFICES
Portland, Ore.; Los Angeles, Calif.; Kansas City, Mo.; Brockport, N.Y.; New York City; Export Dept.: Detroit, Michigan

10 Reasons Why You Want A Hardie

Full rated capacity and pressure delivered at slow speeds.
Convenient and low-cost adjustments and replacements.
Vertical crankshaft-driven plungers with long connecting rods reducing power and replacement costs.
Individual, selective, clean oil lubrication for every moving part including cylinder, plunger and plunger cup.
Pump and engine completely protected by dust and dirt-proof steel hood.
Interchangeable steel or rubber tired wheels. Interchangeable steel or wood tank.
Volumetric pump efficiency 96% to 98%—highest in the industry.
Easily accessible stainless steel valves.
Heavy forged steel crankshaft in large replaceable bearings.
Roller bearing trucks permitting the use of larger tanks.

HARDIE
Dependable Sprayers

POTASH

● GROWS BETTER *FRUIT*
● INSURES GREATER *PROFIT*

FRUIT which will keep its quality until it reaches the consumer brings best prices. Potash plays an important part in the keeping quality of fruit. Make sure that your fruit trees receive enough potash along with nitrogen and phosphorus to take care of the large amounts which they remove and provide for heavy growth of cover crops, vigorous tree growth, and large yields of high-grade fruit. Successful growers are applying 400-600 pounds of such mixtures as 7-12-10, 4-8-10, 9-6-6, and 10-6-4 per acre to take care of the needs of the cover crop and trees . . . See your fertilizer dealer. You will be surprised how little it costs to get more potash in your fertilizer. Write us for further information on feeding fruit.

AMERICAN POTASH INSTITUTE, INC.

INVESTMENT BUILDING WASHINGTON, D. C.

More Potash means More Profit

PROGRAM—*Continued*

WEDNESDAY MORNING, JANUARY 12th

9:30 A. M.

Our Codling Moth Population in 1937 (A Demonstration)—C. Graham, Field Entomologist, University of Maryland, College Park, Maryland.

9:45 A. M.

A New Maryland Program for Control of Japanese Beetle—G. S. Langford, Associate Professor of Entomology, University of Maryland, College Park, Maryland.

10:30 A. M.

Types of Cold Storage Machinery Suitable for Cold Storage at the Orchard—W. E. Zieber, Refrigeration Engineer, York, Pa.

11:30 A. M.

Recent Developments in Quick Freezing of Fruits for Market—H. C. Diehl, Senior Physiologist, U. S. Frozen Pack Laboratory, Seattle, Washington.

WEDNESDAY AFTERNOON PROGRAM ON PAGE 18

The Society holds an annual Summer Field Meeting in addition to the Winter Meeting. A monthly printed pamphlet is published, and members also receive the Annual Proceedings of the Winter Meetings. We welcome new members. The membership fee is one dollar per year. You should become a member.

NOTES

Don't Look Now, But—Spray Materials are advertised on pages 4, 7, 9, 13, 14, 16, 20, 22, and on inside front cover and outside back cover page. Orchard Machinery on page 3, and Fruit Packages on page 21.

Did You Know That—Packing Materials are advertised on pages 5 and 17? Fertilizer ads are found on pages 1, 11, and 16, and Orchard Financing ad on page 6.

Now you can Spray

ORTHO*

...all the way!

SCIENTIFIC PEST CONTROL

with

KLEENUP Dormant Oil Sprays
ORTHO TAR Oil Sprays
ORTHOL-K Summer Oil Sprays
Nursery VOLCK Spray
ORTHO Lead Arsenate
ORTHO Calcium Arsenate
ORTHEX Spreader-Adhesive
ORTHO Spreader
FLOTOX Wettable Sulphur
COPOSIL Fungicide
BOTANO-N Spray

*REG. U. S. PAT. OFF.

Personal Orchard Service on Request

CALIFORNIA SPRAY-CHEMICAL CORP.
Elizabeth, New Jersey

In your ORCHARD

Bigger YIELDS

Better · QUALITY

More.. PROFITS

POMO Granulated FOOD

10-6-4

THE DAVISON CHEMICAL CORPORATION

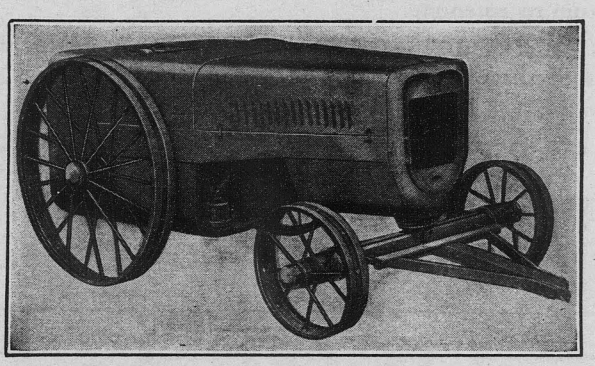
BALTIMORE, MARYLAND

The Proof Is In The Sales

The Better The Sprayer

The Greater The Sales

BEAN ROYAL SPRAYERS
LEAD THEM ALL



ENTIRELY ENCLOSED PUMP—RUNNING IN OIL

ROLLER AND BALL BEARINGS ON ECCENTRIC AND COUNTER SHAFT

PORCELAIN LINED CYLINDERS

ALL-STEEL LEAK-PROOF TANK, MADE OF EXTRA THICK STEEL PLATE, PROOFED AGAINST CORROSION

Bean Builds a Complete Line of Sprayers, Dusters, Graders, Cleaners, Washers

---

Inquire at your Dealers

JOHN BEAN MFG. CO.

Division Food Machinery Corporation

LANSING, MICH. SAN JOSE, CALIF.

To Increase the Efficiency of Sprays Use

SPREAD-OL

AS A FLOCCULATING AGENT—properly flocculated sprays will not carry off the insecticide mixture in the drip.

AS A SPREADER—deposits an even film of insecticide mixture on the fruit and foliage.

AS AN ACTIVATOR OF PYRETHRUM, NICOTINE OR ROTENONE—spreads and increases the efficiency of nicotine, pyrethrum or rotenone.

WITH LEAD OR CALCIUM ARSENATE—increases the effectiveness of these arsenicals on certain insects.

Write for Descriptive folder

SILMO CHEMICAL COMPANY, Inc.

VINELAND, NEW JERSEY

Central Chemical Corporation

OF MARYLAND

MANUFACTURERS OF

Fertilizers **Insecticides**

Feeds

For Prompt Shipment We Have . . .

6 FERTILIZER PLANTS 3 DUST MFG. PLANTS

1 INSECTICIDE PLANT 1 FEED PLANT

Large Enough To Serve You . . . Small Enough To Know You

GENERAL OFFICES, HAGERSTOWN, MD.

RICE, TREW & RICE COMPANY

MANUFACTURERS

of

Paper Supplies

for

FRUITS AND VEGETABLES

Main Office: Biglerville, Pennsylvania

PROGRAM—*Continued*

WEDNESDAY AFTERNOON, JANUARY 12th

1:30 P. M.

Virginia Experiences in Box Packing and Wrapping of Apples for Foreign and Domestic Markets—W. S. Campfield, Secretary, Virginia State Horticultural Society, Staunton, Va.

2:15 P. M.

Winter Injury to Peach Buds—R. H. Sudds, Associate Horticulturist, West Virginia University, Morgantown, West Virginia.

3:00 P. M.

Storage Scab—Its Importance and Control—E. A. Walker, Associate Plant Pathologist, University of Maryland, College Park, Maryland.

3:30 P. M.

Methods of Reducing Spray Injury on Apples—H. S. McConnell, Associate Professor of Entomology, University of Maryland, College Park, Maryland.

4:00 P. M.

Business Meeting and Reports of Committees.

ADJOURNMENT

NOTES

In Case You Forget—Lime is advertised on pages 8 and 23. Spray Machinery ads are on pages 10, 15, and 24, and Nursery Stock on page 19 and inside back cover page.

The Progressive Orchardist
Plans and Plants for the Future

Fruit Growing Still Remains One of the Most Profitable and Dependable Branches of Agriculture

Statistics show that millions of fruit trees have died in the past few years from disease and low winter temperatures, other millions are in a weakened condition to the point where they are unproductive and unprofitable. Again they show new plantings of fruit trees to be far below normal and have been for more than ten years.

Are You Planting

To Maintain Your Production 10 Years—20 Years from Now?

Plan to Plant This Fall

Keep your orchards on a profitable basis by selecting the best varieties obtainable in newer and better fruits such as:

BLAXTAYMAN	The "COLORA" Red York
RICHARED DELICIOUS	CORTLAND
YELLOW DELICIOUS	GALLIA BEAUTY, Red Rome

GOLDEN JUBILEE	VEDETTE
ELBERTA	HALE HAVEN
SHIPPERS LATE RED	GAGE ELBERTA

These varieties are proving and maintaining their leadership.

We Specialize in

Apple and Peach Trees—Strawberry Plants—Grape Vines and Raspberry Plants

We offer one of the most up-to-date and practical listings of new and improved fruits available to the planters today.

It pays to plant Bountiful Ridge Grown Trees & Plants

Bountiful Ridge Nurseries

Princess Anne, Maryland

Service -:- Dependability -:- Satisfaction

BOWKER'S HIGH TEST LEAD ARSENATE

Is Unexcelled For Effectiveness

THE AMERICAN AGRICULTURAL CHEMICAL COMPANY · AA QUALITY · REG. U.S. PAT. OFF.

The American Agricultural Chemical Company

50 Church Street, New York, N. Y.

Factory: Baltimore, Maryland

DO YOU KNOW?

There is no manufacturer better able to perfectly serve you with your package needs.

There is no firm more appreciative of the opportunity of serving you.

There is no firm more anxious to serve you.

"Marvil Products Protect Contents"

Marvil Package Company

LAUREL, DELAWARE

Grow ém big and healthy *with* STAUFFER SULPHURS

Stauffer manufactures more than 20 brands of Agricultural Sulphurs—a definite grade for every type of equipment and for every known insect and fungous growth controlled with Sulphur. Your local Stauffer Dealer also carries our complete line of double-duty dusts. Powerful insecticides combined with Sulphur as the carrying agent, to control insects and plant diseases with one application.

Make your Stauffer Dealer headquarters for your spraying and dusting needs.

A FEW STAUFFER PRODUCTS

"Magnetic-Spray" Wettable Sulphur
"Magnetic" Catalytic Sulphur
"Magntic" Humidust
"Crown" Brand Wettable Sulphur
"Electric" Super-Adhesive Dusting Sulphur
"Magnetic" Rotenone-Sulphur Dust
"Magnetic" Rotenone Dust
"Magnetic" Pyrethrum-Sulphur Dust

★

STAUFFER CHEMICAL COMPANY

420 LEXINGTON AVE., NEW YORK CITY
CHICAGO, ILL. FREEPORT, TEXAS

Stauffer

Stauffer

Gold Bond

LIME

PRODUCTS

GOLD BOND (Palmer)

High Calcium, Hydrated

SPRAYING *and* DUSTING LIME

Exceedingly fine grind. No coarse particles to prevent diffusion of the spray or clog nozzle. Less than 1% magnesium oxide.

•

BIG YIELD

SPRAYING LUMP *and* PEBBLE LIME

High calcium content. Clean and quick acting. Particularly suited for use in lime sulphur and Bordeaux mixtures.

•

GOLD BOND AGRICULTURAL HYDRATE

Convenient and quick acting.

•

BIG YIELD AGRICULTURAL GROUND QUICK LIME

High in oxides and quick acting.

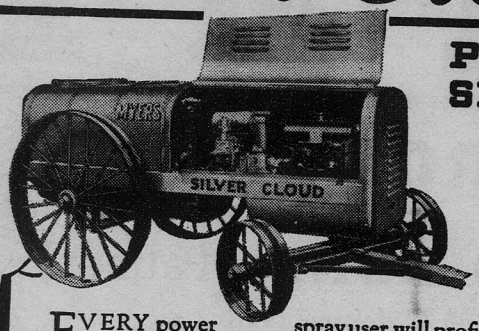
National Gypsum Company

Successors to Universal Gypsum & Lime Co.

BUFFALO, N. Y.

PLANTS: ORANDA, VA., Phone 77 . . . YORK, PA., Phone 5447

SEE THE NEW MYERS *Silver Cloud* POWER SPRAYERS



EVERY power spray user will profit by getting acquainted with the new MYERS *Silver Cloud* Sprayers. Here are spray outfits truly streamlined *inside* as well as out. Their smoothly contoured housings and gleaming aluminum finish bespeak their inner smoothness of mechanism and function. With all the reliability which has made MYERS spray machinery famous for three generations, these *Silver Cloud* rigs embody to the full those modern engineering improvements which mean easier handling, speedier operation, greater economy and increased durability. Be sure to inform yourself about their many advantages.

MYERS Spray Catalog shows complete equipment for work in orchards, groves, vineyards, row crops, tobacco fields, greenhouses and gardens. Engine powered, tractor operated and traction driven sprayers; hand operated bucket and barrel sprayers; knapsack and compressed air sprayers. Mail handy coupon today for your FREE copy.

THE F. E. MYERS & BRO. CO.

6 Church Street — Ashland, Ohio

"PUMP BUILDERS SINCE 1870"

- Power Sprayers . . . . ☐
- Hand Sprayers . . . . ☐
- Power Pumps . . . . . ☐
- Sump Pumps . . . . . ☐
- Hay Unloading Tools . . ☐
- Door Hangers . . . . ☐
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- Water Systems . . . . ☐
- Hand Pumps . . . . . ☐
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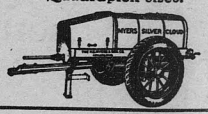
MYERS *Silver Cloud* Sprayers are offered in both engine powered and tractor operated models. Come completely equipped with hose, guns and fittings. Wheels either steel or rubber tired. Frames all steel, arc welded. The heart of these sprayers is the MYERS *Self-Oiling* Pump. No other power spray pump has such perfect lubrication and proven service life. All working parts run in oil. Fully enclosed yet remarkably accessible. VALVES stainless steel. CYLINDERS porcelain lined. Improved double cup expansion PLUNGERS with adjustable take-up. Duplex, Triplex and Quadruplex sizes.



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MYERS Self-Oiling POWER SPRAYERS

RED YORKING

U. S. Plant Patent No. 125

FOR BETTER COLOR

Plant the original strain of the New Red Yorking (U. S. Plant Patent No. 125) for better color. A new solid Red York with every characteristic of the York Imperial, except that the fruit colors a bright cherry red to the blossom end.

Other varieties of apple trees available:

Albermarle Pippin
Baldwin
Black Jon
Black Mack
Bonum
Cortland
Delicious
Duchess
Early Harvest
Early McIntosh
Fall Pippin
Gano
Gravenstein
Grimes Golden
Hyslop Crab
Jonathan
King David
Lady
Lowry
Maiden Blush
M. B. Twig
McIntosh
Milton
Nero
Northern Spy
N. W. Greening
Red Astrachan
Red Delicious (solid colored sport)
Red Duchess (solid colored sport)
Red Gravenstein (solid colored sport)
Red Jonathan (solid colored sport)
Red Rome (solid colored sport)
Red Siberian Crab
Red Stayman (solid colored sport)
Rhode Island Greeting
Rome Beauty
Smokehouse
Shotwell Delicious
Stayman Winesap
Summer Rambo
Sweet Bough
Sweet Paradise
Twentyounce
Virginia Beauty
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Williams Early Red
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Winter Banana
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Yellow Transparent
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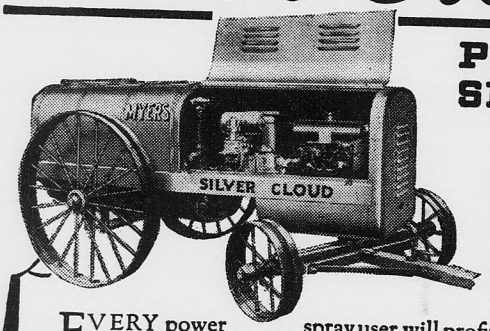

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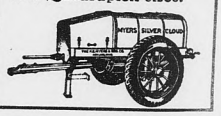

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Makes Better Orchards or Costs You Nothing

● *Guaranteed*

For over twenty years we have guaranteed Scalecide to make a better orchard than lime sulphur or refund you your money—you and your neighbors to be the judges—without a single request for their money back.

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Has shown that the special expensive oils used exclusively in Scalecide are very high in growth producing hormones.

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This explains why foliage hangs on later in the fall—producing more starches and sugar—making plumper fruit spurs and more nearly annual crops—and greater resistance to extreme cold or dry weather.

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According to Experiment Station report, Scalecide killed from 5 to 15 times as many codling moth in their winter cocoons as oil emulsion, self emulsifying oils or lime sulphur. We do not know of an orchard regularly sprayed with Scalecide that has a bad codling moth problem. Do you?

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One barrel of Scalecide will spray as many trees until they drip as 3½ barrels of the best commercial lime sulphur applied with equal thoroughness, with one-half the labor.

● *Anything You Want*

"Spra-Cream"—dormant oil emulsion, "Citrus Spra-Cream"—a safe summer oil emulsion, "Tar-o-wash", "Straitar", "Para-Scalecide", "D-X"—the low cost contact spray, "Sulfocide", "Spray Catalizer"—a sulphur spreader and sticker, taking the place of Kayso in all our recommendations without its disadvantages.

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